

WHAT IS CLAIMED IS:

1. A flexible hinge (40) with opposite ends (40a, 40b) coupled respectively to each of two members (10, 30), the flexible hinge (40) being bendable for bringing the opposite ends (40a, 40b) to substantially face each other, the flexible hinge (40) being formed with a weakened portion (41) for making the flexible hinge (40) easier to bend, the weakened portion (41) being in a set region (R) of the flexible hinge (40), the set region (R) having outer ends (Pa, Pb) spaced in towards a middle part of the flexible hinge (40) from the opposite ends (40a, 40b) by a specified distance (L; L').

2. The flexible hinge of claim 1, wherein the specified distance (L; L') by which the outer ends (Pa, Pb) of the set region (R) are spaced from the opposite ends (40a, 40b) of the flexible hinge (40) is in a range of about 10% to about 30% of a complete longitudinal extension (LE) of the flexible hinge (40).

3. The flexible hinge of claim 2, wherein the weakened portion (41) comprises a slit (41) penetrating the flexible hinge (40).

4. The flexible hinge of claim 1, wherein the weakened portion (41) is substantially symmetrical with respect to a longitudinal direction (LD) and transverse direction (TD) of the flexible hinge (40).

5. The flexible hinge of claim 1, wherein widened portions (40W) are provided such that a width of the flexible hinge (40) along a transverse direction (TD) is widened gradually towards the opposite ends (40a, 40b).

6. The flexible hinge of claim 5, wherein the widened portions (WD) are provided completely within the specified distance (L; L').

7. The flexible hinge of claim 1, wherein the flexible hinge (40) has a substantially constant thickness (t) at all locations spaced from the weakened portion (41).

8. A flexible hinge (40) with opposite ends (40a, 40b) unitarily coupled respectively to each of two members (10, 30), the flexible hinge (40) being bendable for bringing the opposite ends (40a, 40b) to substantially face each other, the flexible hinge (40) being formed with a slit (41) symmetrically disposed in the flexible hinge (40) along a set region (R), the set region (R) having outer ends (Pa, Pb) spaced in towards a middle part of the flexible hinge (40) from the opposite ends (40a, 40b) by specified distances (L; L') in a range of about 10% to about 30% of a complete longitudinal extension (LE) between the opposite ends (40a, 40b) of the flexible hinge (40), the flexible hinge (40) having a width that gradually increases at locations between the outer ends (Pa, Pb) of the set region (R) and the opposite ends (40a, 40b).

9. A wire cover (1), comprising:

a main body (10);

a lid (30) configured to close the main body (10) for covering at least one wire (W) between the main body (10) and the lid (30); and

a flexible hinge (40) with a first end (40a) coupled to the main body (10) and an opposite second end (40b) coupled to the lid (30), the flexible hinge (40) having a weakened portion (41) for making the flexible hinge (40) easier to bend, the weakened portion (41) being formed in a set region (R) with outer ends (Pa, Pb) at positions spaced in towards a middle part of the flexible hinge (40) from the opposite ends (40a, 40b) by a specified distance (L; L').

10. The wire cover of claim 9, wherein at least one engaging portion (13; 14; 31; 32) is provided in at least one of the main body (10) and the lid (30) for engaging a portion (51; 52) of a corrugate tube (50).

11. The wire cover of claim 9, wherein the specified distance (L; L') by which the outer ends (Pa, Pb) of the set region (R) are spaced from the opposite ends (40a, 40b) of the flexible hinge (40) is in a range of about 10% to about 30% of a complete longitudinal extension (LE) of the flexible hinge (40).

12. The wire cover of claim 11, wherein the weakened portion (41) comprises a slit (41) penetrating the flexible hinge (40).

13. The wire cover of claim 9, wherein the weakened portion (41) is substantially symmetrical with respect to a longitudinal direction (LD) and transverse direction (TD) of the flexible hinge (40).

14. The wire cover of claim 9, wherein widened portions (40W) are provided such that a width of the flexible hinge (40) along a transverse direction (TD) is widened gradually towards the opposite ends (40a, 40b).

15. The wire cover of claim 14, wherein the widened portions (WD) are provided completely within the specified distance (L; L').